

ABSTRACT

The present invention alters the frequency response of an optoelectronic device to match a driver circuit that drives the optoelectronic device. The optoelectronic device is formed on a first substrate. A matching circuit is also formed on the first substrate and coupled  
5 to the optoelectronic device to change its frequency response. The matching circuit provides a precise and repeatable amount of inductance to an optoelectronic device.